### **UTILITY PATENT APPLICATION TRANSMITTAL** (Large Entity)

Docket No. 12010-0021

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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#### TO THE ASSISTANT COMMISSIONER FOR PATENTS

**Box Patent Application** Washington, D.C. 20231

25 U.S.C. 111(a) and 27 C.E.D. 1.52(b) is a new utility patent application for an

| _                                       | nsmi<br>entior |      |             |           | T 111 | ing under 35    | 0.5    | .o. 111(a) and 3  |                 | o) is a new utility patent ap | phoadon for all                          |
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|   | Co<br>nich i   |      | nuat        | ion 🗆     | ב     | Divisional      |        | Continuation-     | in-part (CIP)   | of prior application No.:     |  |
|   |                | nti  | nuat        | ion [     | 3     | Divisional      |        | Continuation-     | in-part (CIP)   | of prior application No.:     |  |
|   |                |      | nuat        | ion [     | ב     | Divisional      |        | Continuation-     | in-part (CIP)   | of prior application No.:     |  |
| · .                                     | close          | ed a | ıre:        |           |       |                 |        | Application       | n Elements      |                               |  |
| Marie 2017 1918                         | 1. (           | X    | Filin       | g fee as  | s C   | alculated and   | d trar | nsmitted as desc  | ribed below     |                               |  |
|   | 2.             | X    | Spe         | cificatio | n t   | naving          |        | 20                | _ pages and ir  | ncluding the following:       |  |
|   |                | a.   | X           | Descri    | ptiv  | ve Title of the | e Inve | ention            |                 |                               |  |
|   |                | b.   |             | Cross     | Re    | ferences to     | Relat  | ted Applications  | (if applicable) |                               |  |
|   |                | c.   |             | Staten    | ner   | nt Regarding    | Fede   | erally-sponsored  | l Research/De   | velopment (if applicable)     |  |
|   |                | d.   |             | Refere    | enc   | e to Sequen     | ce Lis | sting, a Table, o | r a Computer    | Program Listing Appendix      |  |
|   |                | e.   | X           | Backg     | rou   | and of the lnv  | entic  | on                |                 |                               |  |
|   |                | f.   | X           | Brief S   | un    | nmary of the    | Inve   | ntion             |                 |                               |  |
|   |                | g.   | X           | Brief D   | )es   | cription of th  | e Dra  | awings (if filed) |                 |                               |  |
|   |                | h.   | X           | Detaile   | ed    | Description     |        |                   |                 |                               |  |
|   |                | i.   | $\boxtimes$ | Claim(    | s)    | as Classified   | l Belo | ow                |                 |                               |  |
| }                                       |                | j.   | $\boxtimes$ | Abstra    | ct    | of the Disclo   | sure   |                   |                 |                               | -  |

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#### **Application Elements (Continued)**

|  | 3.  | X           | Drawing(s) (when necessary as prescribed by 35 USC 113)  |  |  |  |  |  |  |  |
|--|-----|-------------|--|--|--|--|--|--|--|--|
|  |     | a.          | SEVEN (7)  |  |  |  |  |  |  |  |
|  |     | b.          | Informal Number of Sheets  |  |  |  |  |  |  |  |
|  | 4.  | X           | Dath or Declaration  |  |  |  |  |  |  |  |
|  |     | a.          | ☑ Newly executed <i>(original or copy)</i> □ Unexecuted  |  |  |  |  |  |  |  |
|  |     | b.          | Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)  |  |  |  |  |  |  |  |
|  |     | c.          | ☑ With Power of Attorney □ Without Power of Attorney   |  |  |  |  |  |  |  |
|  |     | d.          | DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).   |  |  |  |  |  |  |  |
| The state of the s | 5.  |             | Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. |  |  |  |  |  |  |  |
| , <b>u</b>  <br> *  1  | 6.  |             | CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)  |  |  |  |  |  |  |  |
|  | 7.  |             | Application Data Sheet (See 37 CFR 1.76)   |  |  |  |  |  |  |  |
|  | 8.  |             | Sucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)   |  |  |  |  |  |  |  |
|  |     | a.          | Computer Readable Form (CRF)   |  |  |  |  |  |  |  |
|  |     | b.          | Specification Sequence Listing on:   |  |  |  |  |  |  |  |
| <b>  </b>   <br>   |     |             | i.   CD-ROM or CD-R (2 copies); or   |  |  |  |  |  |  |  |
|  |     |             | ii. 🔲 Paper  |  |  |  |  |  |  |  |
| dura.  |     | c.          | Statement(s) Verifying Identical Paper and Computer Readable Copy  |  |  |  |  |  |  |  |
|  |     |             | Accompanying Application Parts   |  |  |  |  |  |  |  |
|  | 9.  |             | Assignment Papers (cover sheet & document(s))  |  |  |  |  |  |  |  |
|  | 10. |             | 37 CFR 3.73(B) Statement (when there is an assignee)   |  |  |  |  |  |  |  |
| •  | 11. |             | English Translation Document (if applicable)   |  |  |  |  |  |  |  |
|  | 12. |             | nformation Disclosure Statement/PTO-1449   Copies of IDS Citations   |  |  |  |  |  |  |  |
|  | 13. |             | Preliminary Amendment  |  |  |  |  |  |  |  |
|  | 14. | $\boxtimes$ | Return Receipt Postcard (MPEP 503) (Should be specifically itemized)   |  |  |  |  |  |  |  |
| •  | 15. |             | Certified Copy of Priority Document(s) (if foreign priority is claimed)  |  |  |  |  |  |  |  |
| •  | 16. |             | Certificate of Mailing   |  |  |  |  |  |  |  |
|  |     |             | First Class   Express Mail (Specify Label No.):  |  |  |  |  |  |  |  |
|  |     |             |  |  |  |  |  |  |  |  |

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|     | Accompanying Application Parts (Continued)   |
|-----|--|
| 17. | Additional Enclosures (please identify below):   |
|     |  |
|     |  |
|     |  |
|     |  |
|     | Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)  |
| 18. | Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.  |
|     | Warning  |
|     | An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional. |
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| dep. Claims  | 1  | - 3 =   | 0  | × \$84.00              | \$0.00                 |
| ultiple Dependent  | Claims (check  | if applicable)  |  |                        | \$0.00                 |
|  |  |   |  | BASIC                  | \$740.00               |
| OTHER FEE (speci   | fy purpose)  |   |  |                        | \$0.00                 |
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| The Commission as described bel  Charge to Credit are Charge to Ch | ner is hereby au<br>ow. A duplicate<br>the amount of<br>my overpayment<br>any additional f<br>the issue fee so<br>to 37 C.F.R. 1 | uthorized to charge copy of this she \$740.00 et. iling fees require et in 37 C.F.R. 1. | ge and credit I<br>eet is enclosed<br>as filing fee.<br>ed under 37 C.<br>18 at the mail | Deposit Account No. 50 | ig,<br>V. Blody<br>ire |